



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002279733 A

(43) Date of publication of application: 27.09.2002

(51) Int. Cl. G11B 20/12

G06F 3/06, G11B 20/10, G11B 20/18, G11B 27/10

(21) Application number: 2001075965

(22) Date of filing: 16.03.2001

(71) Applicant: TOSHIBA CORP

(72) Inventor: FURUHASHI SHINOBU

(54) DEFECT RETRIEVAL DEVICE AND DEFECT RETRIEVAL METHOD

COPYRIGHT: (C)2002,JPO

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a defect retrieval device and a defect retrieval method enabling the reduction of a load of firmware.

**SOLUTION:** A defect retrieval device 10 for an information recording medium which carries out defect management based on a defect list described by physical addresses, is provided with an auxiliary storage device 20 which records the defect list by the physical addresses, a logical-physical address conversion means 70 which converts the logical address of a requested address received by an access command to an information recording medium 50 into a physical address, and a comparator 35 which compares a defect address in the defect list recorded in the auxiliary storage device 20 with the requested address converted into the physical address. The defect address which is present immediately after the request address is retrieved according to a comparison result obtained by the comparator 35.

